

(1)

Class 3A+B

Science

Chap 7. Forms of Matter
Solids, Liquids and Gases.

Q1. What is matter?

A1. Any substance that occupies space and has mass is called matter.

Q2. What are the three states of matter?

A2. The three states of matter are

1. Solid

2. Liquid

3. Gas.

Q3. Which is the most important liquid needed by us?

A3. Water is the most important liquid needed by us. We use it for drinking, cooking food, cleaning and other household tasks.

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Q4. State any two properties of solids, liquids and gases.

A4. Solids

1. They have a definite shape and size.
2. They do not flow.

Liquids

1. They flow easily.
2. They do not have a definite shape and they take the shape of the container.

Gases

1. They do not have any shape and they fill up the space available.
2. They flow very easily but cannot be seen.

Exercises

SECTION I

A. Give two examples of the following.

1. Solids a table a car
2. Liquids water milk
3. Gases oxygen carbon-di-oxide

B. Circle the odd one. One has been done for you.

1. Water, Ice, Ink, Water vapour (Hint: It is not a form of water.) Ink
2. Milk, Ink, Water, Table (Hint: It is not a liquid.) Table
3. Juice, Chair, Eraser, Pencil (Hint: It is not a solid.) Juice
4. Steam, Watch, Smoke, Air (Hint: It is not a gas.) watch

C. Write T for True and F for False. Correct the false statements.

1. Ice, table, and stone are examples of liquids.
2. Most solids do not flow.
3. Liquids do not have a definite shape.
4. Air is a mixture of many gases.
5. Water changes into water vapour.

False.
False.....
True.....
True...
True...

D. Choose the correct option.

1. Which of these has a definite shape?
 a. Table b. Ink c. Steam d. Milk
2. Substances around us can exist in forms.
a. five b. nine c. four d. three
3. Which of these is not a characteristic of a liquid?
 a. It has a definite shape and size.
b. It flows.
c. It takes the shape of the container into which it is poured.
d. It can be poured from one container to another.
4. Which of these fills up the available space in a container?
a. Book b. Spoon c. Air d. Pencil
5. Which of these are the characteristics of gases?
 a. They do not have a fixed shape. b. They can flow.
 b. They have a fixed shape. d. Both a. and b.

E. Choose the correct option to fill in the blank.

1. Solid, liquid, and gases are the three states of Matter (mats/matter).
2. Liquids (Liquids/Solids) take the shape of the container.
3. Solids (Gases/Solids) have a fixed shape.
4. A lock and its key are Solids (solids/gases).
5. Oxygen (Carbon dioxide/Oxygen) is used by plants to make food.

SECTION II

F. Short answer questions

1. Define matter.
2. Do solids have definite shape?
3. What are liquids? Give two examples.
4. Write two properties of gases.

G. Long answer questions

1. How do we use different kinds of matter in our daily life? Explain with examples.
2. Describe an activity to show that liquids flow.
3. How can you say that water vapour is a gas?

PICTURE STUDY TP

1. Look at the picture given below. Circle the solids, liquids, and gases in the picture, using different colours. Also, write three characteristics of each form of matter.

